



so, now what?

Detector R&D Workshop

co-organized by:

FNAL, ANL, BNL, SLAC, LBNL, and DPF



what we've seen

is a rich program of

R&D, curiosity-driven

*R&D aimed at future
experiments*

*R&D aimed at existing
experiments*

from

laboratories

universities

both

recommendations:

#1

Establish an annual conference/workshop in generic detector R&D which would be useful to increase communication and encourage collaboration between laboratories and universities, both in the U.S. and abroad. It should also serve to identify future physics detector needs which are not currently being addressed and help to coordinate the lab R&D efforts.



We heard a request for community input



there are logistical tensions

- 1. upgrade process for LHC experiments**
- 2. detector R&D for ILC**
- 3. erosion of university infrastructure & opportunities**
- 4. pressures on and within the laboratory system**
- 5. graduate student training separating from hardware**
- 6. overall funding levels for inquiry-driven R&D**

I sense some abstract concerns

7. A mechanism for sorting ideas?

8. Does HEP fit into national priorities?

energy, security, climate

9. Do we need some “inreach”?

interactions with other fields?

industry moving beyond us?

which are all concerns
...for the whole field

hence, DPF's sharp elbows

can we take advantage of the desire for input?

hence...this discussion

serious enough to warrant action?

My “Saturday question”:

“Should the community try to craft a national program of detector R&D?”

If you think so, we have to somehow “self-organize”

existential problem

“self-organize”?

DPF can help to coordinate

3 “how” areas?

1. R&D for specific upgrades and/or new expts

“structure...outside the funding agencies”

including ~~rules~~ best practices of engagement

2. to support ad hoc entrepreneurial faculty projects

3. graduate student training

a way to bring NSF into the program

a task force?



the 3 “how” areas

1. “Should the community try to craft a national program of detector R&D?” meta committee

2. what...

an ad-hoc group of lab and university people?

how to choose them?

3. when...

midcourse by TIP2011 followed by the Brown DPF Meeting in August?

4. how...

a charge crafted how?

what's on the table?

5. who...

leadership?

TIPP 2011



Second International Conference on Technology and Instrumentation in Particle Physics

JUNE 9 - 14, 2011 Sheraton Chicago Hotel and Towers, Chicago, IL

<http://conferences.fnal.gov/tipp11/>

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